

PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

RECEIVED
CENTRAL FAX CENTER

MAR 10 2004

In re the Application of

Katsuyuki MORII et al.

Group Art Unit: 2879

Application No.: 09/994,816

Filed: November 28, 2001

Docket No.: 111219

For: ORGANIC ELECTRO-LUMINESCENT DEVICE, MANUFACTURING
METHOD FOR THE SAME, AND ELECTRONIC EQUIPMENT

OFFICIAL

SUPPLEMENTAL PRELIMINARY AMENDMENTDirector of the U.S. Patent and Trademark Office
Washington, D. C. 20231

Sir:

Prior to initial examination, please amend the above-identified application as follows:

IN THE ABSTRACT:

Please replace the Abstract filed with the Substitute Abstract attached hereto.

IN THE SPECIFICATION:

Please replace the specification with the Substitute Specification attached hereto.

IN THE CLAIMS:

Please replace claims 1-8 as follows:

1. (Amended) A manufacturing method for an organic electro-luminescent device, comprising:

forming light emitting layers by discharging, above a substrate, at least two compositions, each including at least one organic electro-luminescent material; and

ordering discharging said compositions above the substrate starting with a composition which has a fewest number of organic electro-luminescent materials.

Application No. 09/994,816

2. (Amended) A manufacturing method for an organic electro-luminescent device, comprising:

forming light emitting layers by discharging, above a substrate, at least two compositions, each including at least one organic electro-luminescent material; and

when discharging compositions which has a same number of organic electro-luminescent materials, ordering discharging said compositions above the substrate starting with a composition which is most difficult to be phase separated after the layer is formed.

3. (Twice Amended) The manufacturing method for an organic electro-luminescent device according to claim 1, further including the step of, during two continuous cycles of discharging said compositions, performing the subsequent discharging of a composition after the composition discharged in a first cycle are dried.

4. (Amended) The manufacturing method for an organic electro-luminescent device according to claim 3, further including the steps of, prior to said step for forming a light emitting layer, forming pixel electrodes corresponding to a plurality of pixel regions and banks separating said pixel regions above said substrate; forming a hole injection/transport layer above said pixel electrodes of said plurality of pixel regions; and after said process for forming a light emitting layer, forming a counter electrode above said light emitting layer.

5. (Twice Amended) An organic electro-luminescent device manufactured by the manufacturing method according to claim 1.

6. (Amended) An electronic equipment, comprising:
the organic electro-luminescent device according to claim 5.

7. (Amended) The manufacturing method for an organic electro-luminescent device according to claim 2, further including the step of, during two continuous cycles of discharging said compositions, performing the subsequent discharging of a composition after the composition discharged in a first cycle are dried.

Application No. 09/994,816

8. (Amended) An organic electro-luminescent device manufactured by the manufacturing method according to claim 2.

Please add new claims 9 and 10 as follows:

--9. The manufacturing method for an organic electro-luminescent device according to claim 7, further including the steps of, prior to said step for forming a light emitting layer, forming pixel electrodes corresponding to a plurality of pixel regions and banks separating said pixel regions above said substrate; forming a hole injection/transport layer above said pixel electrodes of said plurality of pixel regions; and after said process for forming a light emitting layer, forming a counter electrode above said light emitting layer.--

--10. An electronic equipment, comprising:

the organic electro-luminescent device according to claim 8.--

REMARKS

Claims 1-10 are pending. By this Supplemental Preliminary Amendment, the Abstract and specification are replaced with a Substitute Abstract and Substitute Specification, claims 1-8 are amended, and claims 9 and 10 are added.

The attached Appendix includes marked-up copies of the specification (37 C.F.R. §1.125(b)(2)) and each rewritten claim (37 C.F.R. §1.121(c)(1)(ii)).

Prompt and favorable examination on the merits is respectfully requested.

Application No. 09/994,816

Should the Examiner believe that anything further would be desirable in order to place this application in better condition for allowance, the Examiner is invited to contact Applicants' undersigned representative at the telephone number listed below.

Respectfully submitted,



James A. Oliff
Registration No. 27,075

Eric D. Morehouse
Registration No. 38,565

JAO:EDM/gam

Attachments:

Substitute Abstract
Appendix
Substitute Specification
Marked-up copy of application

Date: October 1, 2002

OLIFF & BERRIDGE, PLC
P.O. Box 19928
Alexandria, Virginia 22320
Telephone: (703) 836-6400

DEPOSIT ACCOUNT USE AUTHORIZATION Please grant any extension necessary for entry; Charge any fee due to our Deposit Account No. 15-0461
--